



## NEWS RELEASE

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### **Curtiss-Wright Displays and Demonstrates New Flight Test Instrumentation Hardware and Software Solutions at International Telemetry Conference 2021**

**International Telemetry Conference (ITC), Bally's Hotel & Convention Center, Las Vegas, Nevada (Booth #913) – October 25, 2021** – Curtiss-Wright's Defense Solutions division, a leading supplier of flight test instrumentation (FTI) solutions engineered for success, will highlight its industry leading system-level flight test instrumentation (FTI) hardware and software solutions in their booth (#913) during the 2021 International Telemetry Conference (ITC), October 25-28, 2021, at Bally's Hotel & Convention Center, Las Vegas, Nevada. Curtiss-Wright will showcase its newest FTI solutions, including TmNS compatible bi-directional RF communication and PCM backfill, a new compact and modular all-in-one telepack, and IADS post-test explorer, a purpose-built post-test reporting software.

“Curtiss-Wright is committed to supplying best-in-class fully integrated system solutions for demanding flight test programs,” said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. “Our fully integrated system approach speeds, simplifies and lowers the cost of designing and deploying flight test instrumentation solutions, enabling customers to acquire a complete, proven and future proof system solution from a single supplier.”

Live in-booth demonstrations will feature a wide range of Curtiss-Wright's advanced FTI technologies:

## **FTI SYSTEM-LEVEL DEMOS**

- **Bi-directional RF communication telemetry system demo**
  - This demonstration will feature bi-directional RF communication, dynamic spectrum sharing, automated ground radio handoffs, PCM backfills, and QoS data prioritization
  - Curtiss-Wright FTI products in this demo include:
    - nXCVR-3140A-2 airborne wireless C-band network transceiver
    - NSW-12GT-1 rugged 12-port ethernet switch
    - nREC-4000S3 airborne network flight recorder
    - MnACQ-2600 miniature network data acquisition and encoding unit
    - TTS-9800-2 airborne multi-band multimode transmitter
    - IADS real-time display and post-test analysis system
  
- **Compact “all-in-one” telemeter link demonstration**
  - PCM Encoder, signal conditioning, data recorder, encryption, streaming transmitter with LDPC encoding
  - 20-Watt tracking transponder
  - Airborne receiver with LDPC decoder
  - Ground station dual decryption unit
  - DBS-140 USB - PCM decom
  - Curtiss-Wright FTI products included in this demo include:
    - MDW-2020 PCM encoder
    - MESP-100-1 encryption module
    - TTS-5549-2 transmitter with LDPC encoding
    - TRS-1623-5 airborne receiver with LDPC decoding
    - MESP dual-channel decryptor
    - DBS-140-1 bit sync/decomutator
    - XPDR-520 C-band tracking transponder
    - XFT-100-1 C-band transponder tester
    - TTCware FTI system set-up and configuration software
  
- **Compact “All-in-one” Telepack Demonstration**
  - This demo features the MDW-2020 Telepack with support for data acquisition, Chapter 10 recording, PCM encoding and the RF Transmission of Encrypted data

- **ARINC-818 acquisition and playback**
  - This ARINC-818 acquisition system demo features Chapter 7 encoding, FFT performed on vibration data on module, and raw data and results encoded in Chap. 4
  - Curtiss-Wright FTI products included in this demo include:
    - KAM-500 and Axon DAUs
    - KAM/VID/114, AXN/ENC/402, AXN/ICP/401 Modules
  
- **Flexible Recorder Demonstration**
  - This demonstration of a flexible FTI data recorder features the recording and transmission of selected data and show how different data can be easily stored on physically separate drives
  - Curtiss-Wright FTI products included in this demo include:
    - MnACQ-2600 miniature network data acquisition and encoding unit
    - QrNexus ADSR-4003F-10 advanced data server and recorder
  
- **Airborne Real-time Data Display and Analysis**
  - This demo show a Curtiss-Wright small form factor rugged DuraCOR® COTS mission computer integrated with IADS for in-flight data playback and analysis

## **FTI SOFTWARE DEMOS**

- **IADS post-test explorer (IADS PTE)**
  - This demo will showcase Curtiss-Wright's new unified post-test system that uses the power of IADS and a natural language engine to greatly simplify and speed the implementation of a post-test system. IADS PTE was developed specifically to serve post flight test reporting needs.
  
- **TTCware FTI system set-up and configuration software**
  - 2021 saw a number of significant upgrades to Curtiss-Wright's popular TTCWare software, including improved UI that speeds up common tasks

Sales inquiries: Please forward all Sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For more information about Curtiss-Wright's Defense Solutions division, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com).

**About Curtiss-Wright Corporation**

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company is headquartered in Davidson, N.C., and employs approximately 8,200 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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